

# Converting Colors

CIELCh(84, 41.144, 94.890)

Have a look what the booklet for  
CIELCh(84, 41.144, 94.890) contains.

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# **Color**

**CIELCh(84, 40.805, 94.958)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5D184
RGB	229, 209, 132
RGB Percent	90%, 82%, 52%
CMY	0.1011, 0.1796, 0.4816
CMYK	0.00, 0.09, 0.42, 0.10
HSL	48°, 65%, 71%
HSV	48°, 42%, 90%
XYZ	59.4102, 64.0658, 31.1340
YIQ	206.2020, 36.6370, -19.7070

# Conversions

## Conversions Part 2

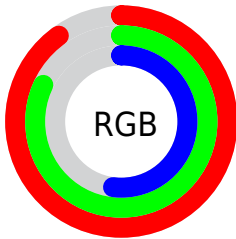
<b>Format</b>	<b>Color</b>
<b>RYB</b>	157, 229, 132
Decimal	15061380
CIELab	84.00, -3.53, 40.65
CIELCh	84, 40.805, 94.958
Yxy	64.0658, 0.3843, 0.4144
Android (android.graphics.Color)	4293251460 (0xFFE5D184)
YUV	206.2020, -36.5816, 19.9938
Hunter-Lab	80.0411, -7.5810, 32.9664

# Details

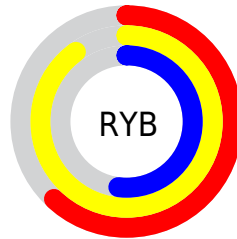
The CIELCh color **84, 40.805, 94.958** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **64, 43.050, 286.744**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 34.689, 107.535**, and **64, 40.831, 95.038** is the 20% darker color. If you saturate the color by 10%, you get **82, 50.188, 93.703**, and if you desaturate by 10%, it is **86, 31.189, 96.202**.

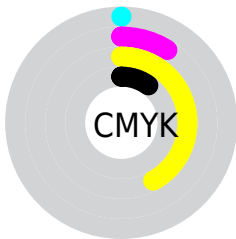
# Distribution



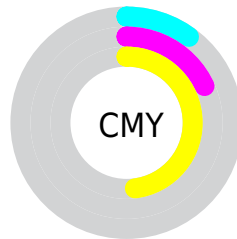
- Red (90%)
- Green (82%)
- Blue (52%)



- Red (62%)
- Yellow (90%)
- Blue (52%)



- Cyan (0%)
- Magenta (9%)
- Yellow (42%)
- Black (10%)



- Cyan (10%)
- Magenta (18%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 40.805, 94.958 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 84, 40.805, 94.958 by changing the saturation by 10% instead.



 84, 40.805, 94.958

 84, 40.805, 94.958

 100, 40.805,  
94.958

 74, 40.805, 94.958

 64, 40.805, 94.958

 54, 40.805, 94.958

 44, 40.805, 94.958

 34, 40.805, 94.958

 24, 40.805, 94.958

 14, 40.805, 94.958

 4, 40.805, 94.958

 0, 40.805, 94.958

84, 40.805, 94.958

84, 40.805, 94.958

82, 50.188, 93.703

86, 31.189, 96.202

81, 59.058, 92.428

87, 21.497, 97.418

80, 66.961, 91.128

89, 11.823, 98.600

78, 73.233, 89.775

91, 2.213, 99.687

77, 77.125, 88.309

92, 7.307, 280.902

76, 78.524, 87.083

94, 9.366, 273.235

95, 7.823, 256.021

96, 7.238, 233.639

97, 7.815, 211.336

# Harmonies

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



84, 40.805, 94.958



64, 43.050, 286.744

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84, 40.805, 94.958



84, 40.805, 144.958



84, 40.805, 274.958



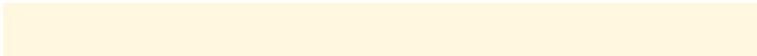
84, 40.805, 324.958

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



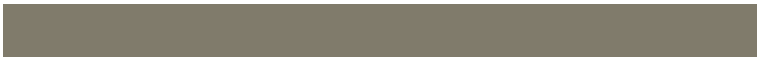
84, 40.806, 94.962



98, 13.599, 98.513



66, 39.886, 7.414



52, 9.526, 98.253



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



84, 40.806, 94.962



91, 53.376, 93.833



87, 50.392, 118.668



47, 5.445, 98.930



61, 65.222, 87.378



17, 24.302, 90.111





# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



64, 43.050, 286.744



65, 57.406, 288.812



61, 55.286, 304.399



45, 5.506, 281.189



25, 88.755, 302.168

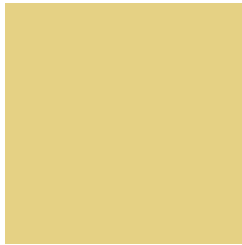


4, 28.913, 292.271



# Previews

## White Background



This preview shows how the CIELCh color 84, 40.805, 94.958 looks on a white background.

## Color Contrast Check

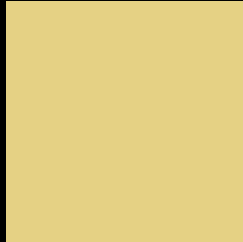
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 84, 40.805, 94.958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 84, 40.805, 94.958

## Background



This preview shows how black text looks on a background with the CIELCh color 84, 40.805, 94.958.



This preview shows how white text looks on a background with the CIELCh color 84, 40.805, 94.958.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color


84, 40.805, 94.958

### Protanopia

84, 41.092, 96.197

### Deuteranopia

84, 41.291, 75.301



**Tritanopia**  
84, 16.586, 350.309



# Trichromacy



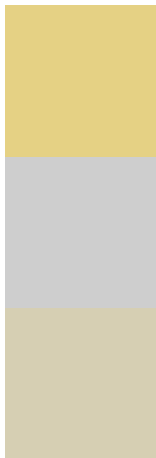
**Original Color**  
84, 40.805, 94.958

**Protanomaly**  
84, 41.092, 96.197

**Deuteranomaly**  
84, 40.627, 82.019

**Tritanomaly**  
84, 15.627, 57.108

# Monochromacy



**Original Color**  
84, 40.805, 94.958

**Achromatopsia**  
83, 0.010, 296.813

**Achromatomaly**  
83, 14.956, 98.521

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 84, 40.805, 94.958 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(229, 209, 132)` looks like.

```
.text, #text, p{  
    color:rgb(229, 209, 132)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(229, 209, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 209, 132) }
```

## Border

The CSS property to change the border of an element to CIELCh 84, 40.805, 94.958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(229, 209, 132) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(229, 209, 132) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(229, 209, 132) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 209, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 209, 132);  
box-shadow:4px 4px 4px 4px rgb(229, 209,  
132) }
```

# Background

The CSS property to change the background color of an element to CIELCh 84, 40.805, 94.958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 209, 132) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(229,  
209, 132) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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